

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/519,135
Source: 1PGT/10
Date Processed by STIC: 1/14/05

ENTERED



PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/519,135

DATE: 01/14/2005
TIME: 10:08:59

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01142005\J519135.raw

3 <110> APPLICANT: The Australian National University
 5 <120> TITLE OF INVENTION: METHOD OF PRODUCING PLANTS HAVING ENHANCED TRANSPERSION
 EFFICIENCY AND

6 PLANTS PRODUCED THEREFROM
 8 <130> FILE REFERENCE: 94948/MRO
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/519,135
 C--> 10 <141> CURRENT FILING DATE: 2004-12-22
 10 <150> PRIOR APPLICATION NUMBER: AU PS3339
 11 <151> PRIOR FILING DATE: 2002-07-02
 13 <160> NUMBER OF SEQ ID NOS: 45
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 3176
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Arabidopsis thaliana ERECTA allele
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 43 actcagtggt gagataccaa gacttattta ctggaatgaa gttcttcattt atcttgggtt 660
 45 gcgaggaaac aacttagtcg gtaacatttc tccagattt tgcacttgc ctggctttg 720
 47 gtatttgcac gtaagaaaca acagtttgcac tggtagtata cctgagacga taggaaattt 780
 49 cactgccttc caggtttgg acttgcctta caatcagcta actggtgaga tccctttga 840
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 61 tgacttgcattt gatctgaatg tggccaacaa tgatctggaa ggacctatac ctgatcatct 1200
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P.b

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83	agtgtcaatc	tctagagcag	ctattcttgg	aatagctatt	gggggacttg	tgatccttct	1860									
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87	tgacaaacca	gtacttatt	cgacaccgaa	gctcgcatc	cttcatatga	acatggcact	1980									
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107	catagacccc	gagtagtctc	gcacttcacg	gctcaactgag	aaatccatgt	tctacagtta	2580									
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123	ttagtagttt	ttcgttagga	ggagaatctt	taaaacggta	tctttcggt	gcgttaagct	3060									
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141	Ser	Leu	Val	Ala	Thr	Val	Thr	Ser	Glu	Glu	Gly	Ala	Thr	Leu	Leu	Glu
142					20				25				30			
145	Ile	Lys	Lys	Ser	Phe	Lys	Asp	Val	Asn	Asn	Val	Leu	Tyr	Asp	Trp	Thr
146					35				40				45			
149	Thr	Ser	Pro	Ser	Ser	Asp	Tyr	Cys	Val	Trp	Arg	Gly	Val	Ser	Cys	Glu
150					50				55				60			
153	Asn	Val	Thr	Phe	Asn	Val	Val	Ala	Leu	Asn	Leu	Ser	Asp	Leu	Asn	Leu
154					65				70				75			80
157	Asp	Gly	Glu	Ile	Ser	Pro	Ala	Ile	Gly	Asp	Leu	Lys	Ser	Leu	Leu	Ser
158									85				90			95
161	Ile	Asp	Leu	Arg	Gly	Asn	Arg	Leu	Ser	Gly	Gln	Ile	Pro	Asp	Glu	Ile
162									100				105			110
165	Gly	Asp	Cys	Ser	Ser	Leu	Gln	Asn	Leu	Asp	Leu	Ser	Phe	Asn	Glu	Leu
166									115				120			125
169	Ser	Gly	Asp	Ile	Pro	Phe	Ser	Ile	Ser	Lys	Leu	Lys	Gln	Leu	Glu	Gln
170									130				135			140
173	Leu	Ile	Leu	Lys	Asn	Asn	Gln	Leu	Ile	Gly	Pro	Ile	Pro	Ser	Thr	Leu

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178	165	170	175	
181	Ser Gly Glu Ile Pro Arg Leu Ile Tyr Trp Asn	Glu Val Leu Gln Tyr		
182	180	185	190	
185	Leu Gly Leu Arg Gly Asn Asn Leu Val	Gly Asn Ile Ser Pro Asp Leu		
186	195	200	205	
189	Cys Gln Leu Thr Gly Leu Trp Tyr Phe Asp	Val Arg Asn Asn Ser Leu		
190	210	215	220	
193	Thr Gly Ser Ile Pro Glu Thr Ile Gly Asn Cys	Thr Ala Phe Gln Val		
194	225	230	235	240
197	Leu Asp Leu Ser Tyr Asn Gln Leu Thr Gly	Glu Ile Pro Phe Asp Ile		
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201	Gly Phe Leu Gln Val Ala Thr Leu Ser Leu	Gln Gly Asn Gln Leu Ser		
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205	Gly Lys Ile Pro Ser Val Ile Gly Leu Met	Gln Ala Leu Ala Val Leu		
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209	Asp Leu Ser Gly Asn Leu Leu Ser Gly Ser	Ile Pro Pro Ile Leu Gly		
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213	Asn Leu Thr Phe Thr Glu Lys Leu Tyr Leu	His Ser Asn Lys Leu Thr		
214	305	310	315	320
217	Gly Ser Ile Pro Pro Glu Leu Gly Asn Met	Ser Lys Leu His Tyr Leu		
218	325	330	335	
221	Glu Leu Asn Asp Asn His Leu Thr Gly His	Ile Pro Pro Glu Leu Gly		
222	340	345	350	
225	Lys Leu Thr Asp Leu Phe Asp Leu Asn Val	Ala Asn Asn Asp Leu Glu		
226	355	360	365	
229	Gly Pro Ile Pro Asp His Leu Ser Ser Cys	Thr Asn Leu Asn Ser Leu		
230	370	375	380	
233	Asn Val His Gly Asn Lys Phe Ser Gly Thr	Ile Pro Arg Ala Phe Gln		
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237	Lys Leu Glu Ser Met Thr Tyr Leu Asn Leu	Ser Ser Asn Asn Ile Lys		
238	405	410	415	
241	Gly Pro Ile Pro Val Glu Leu Ser Arg	Ile Gly Asn Leu Asp Thr Leu		
242	420	425	430	
245	Asp Leu Ser Asn Asn Lys Ile Asn Gly	Ile Ile Pro Ser Ser Leu Gly		
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249	Asp Leu Glu His Leu Leu Lys Met Asn Leu	Ser Arg Asn His Ile Thr		
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257	Asp Leu Ser Asn Asn Asp Ile Ser Gly	Pro Ile Pro Glu Glu Leu Asn		
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261	Gln Leu Gln Asn Ile Ile Leu Leu Arg	Leu Glu Asn Asn Asn Leu Thr		
262	500	505	510	
265	Gly Asn Val Gly Ser Leu Ala Asn Cys Leu	Ser Leu Thr Val Leu Asn		
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269	Val Ser His Asn Asn Leu Val Gly Asp Ile	Pro Lys Asn Asn Asn Phe		
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277 Ser Trp Leu Asn Ser Pro Cys His Asp Ser Arg Arg Thr Val Arg Val
278 565 570 575
281 Ser Ile Ser Arg Ala Ala Ile Leu Gly Ile Ala Ile Gly Gly Leu Val
282 580 585 590
285 Ile Leu Leu Met Val Leu Ile Ala Ala Cys Arg Pro His Asn Pro Pro
286 595 600 605
289 Pro Phe Leu Asp Gly Ser Leu Asp Lys Pro Val Thr Tyr Ser Thr Pro
290 610 615 620
293 Lys Leu Val Ile Leu His Met Asn Met Ala Leu His Val Tyr Glu Asp
294 625 630 635 640
297 Ile Met Arg Met Thr Glu Asn Leu Ser Glu Lys Tyr Ile Ile Gly His
298 645 650 655
301 Gly Ala Ser Ser Thr Val Tyr Lys Cys Val Leu Lys Asn Cys Lys Pro
302 660 665 670
305 Val Ala Ile Lys Arg Leu Tyr Ser His Asn Pro Gln Ser Met Lys Gln
306 675 680 685
309 Phe Glu Thr Glu Leu Glu Met Leu Ser Ser Ile Lys His Arg Asn Leu
310 690 695 700
313 Val Ser Leu Gln Ala Tyr Ser Leu Ser His Leu Gly Ser Leu Leu Phe
314 705 710 715 720
317 Tyr Asp Tyr Leu Glu Asn Gly Ser Leu Trp Asp Leu Leu His Gly Pro
318 725 730 735
321 Thr Lys Lys Thr Leu Asp Trp Asp Thr Arg Leu Lys Ile Ala Tyr
322 740 745 750
325 Gly Ala Ala Gln Gly Leu Ala Tyr Leu His His Asp Cys Ser Pro Arg
326 755 760 765
329 Ile Ile His Arg Asp Val Lys Ser Ser Asn Ile Leu Leu Asp Lys Asp
330 770 775 780
333 Leu Glu Ala Arg Leu Thr Asp Phe Gly Ile Ala Lys Ser Leu Cys Val
334 785 790 795 800
337 Ser Lys Ser His Thr Ser Thr Tyr Val Met Gly Thr Ile Gly Tyr Ile
338 805 810 815
341 Asp Pro Glu Tyr Ala Arg Thr Ser Arg Leu Thr Glu Lys Ser Asp Val
342 820 825 830
345 Tyr Ser Tyr Gly Ile Val Leu Leu Glu Leu Leu Thr Arg Arg Lys Ala
346 835 840 845
349 Val Asp Asp Glu Ser Asn Leu His His Leu Ile Met Ser Lys Thr Gly
350 850 855 860
353 Asn Asn Glu Val Met Glu Met Ala Asp Pro Asp Ile Thr Ser Thr Cys
354 865 870 875 880
357 Lys Asp Leu Gly Val Val Lys Lys Val Phe Gln Leu Ala Leu Leu Cys
358 885 890 895
361 Thr Lys Arg Gln Pro Asn Asp Arg Pro Thr Met His Gln Val Thr Arg
362 900 905 910
365 Val Leu Gly Ser Phe Met Leu Ser Glu Gln Pro Pro Ala Ala Thr Asp
366 915 920 925
369 Thr Ser Ala Thr Leu Ala Gly Ser Cys Tyr Val Asp Glu Tyr Ala Asn

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/14/2005
PATENT APPLICATION: US/10/519,135 TIME: 10:09:00

Input Set : A:\PTO.AMC.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 62

Seq#:23; N Pos. 529

Seq#:38; N Pos. 138

VERIFICATION SUMMARY DATE: 01/14/2005
PATENT APPLICATION: US/10/519,135 TIME: 10:09:00

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01142005\J519135.raw

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60
L:2251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:480
L:2586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:120